

Material Safety Data Sheet

Section 1 Product Identification

TRADE NAME

PRODUCT TYPE

CODE IDENT.

ACIDO MURIATICO

STRONG ACID

ACIDO MURIATICO

LOT SHIPPING NAME

MURIATIC ACID

Section 2 Hazardous Ingredients

	CAS NUMBER	%	EXPOSURE CRITERIA
HYDROCHLORIC ACID	7647-1-0	>30	SPPM
WATER	7732-18-5	>60	NE

HMS

Section 3 Physical Data

BOILING POINT 760 mm Hg 82 DEG F

MELTING POINT N/A

FREEZING POINT N/A

VAPOR PRESSURE 20MMHG

SPECIFIC GRAVITY (H2O=1) 1.10 - 1.15

SOLUBILITY IN H2O 100%

VAPOR DENSITY (AIR=1) N/A

EVAPORATION RATE, (Bu AC=1) N/A

% VOLATILES BY VOLUME NIL

Ph STRONG ACID

APPEARANCE & ODOR

CLEAR COLORLESS TO YELLOW WITH PUNGENT ODOR

Section 4 Explosion Hazard Data

FLASH POINT (& METHOD USED)

FLAMMABLE LIMITS IN AIR % BY VOLUME

AUTO IGNITION

NON FLAMMABLE

LOWER

UPPER

TEMPERATURE

N/A

N/A

N/A

EXTINGUISHING MEDIA:

DRY CHEMICAL, FOAM, CO2, WATER

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTERS MUST WEAR NIOSH/MSHA APPROVED, PRESSURE DEMAND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARD:

DO NOT ENTER ANY ENCLOSED OR CONFINED SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT. HYDROGEN GAS CAN BE GENERATED.

Section 5 Reactivity Data

STABILITY (NORMAL CONDITIONS)

CONDITIONS TO AVOID

STABLE

AVOID EXTREME HEAT

INCOMPATIBILITY (MATERIALS TO AVOID)

AVOID CONTACT WITH ZINC, ALUMINUM, MAGNESIUM, IRON, AMINES, CARBONATES AND ALKALINE MATERIALS. CORROSIVE TO NYLON AND WOOL.

HAZARDOUS DECOMPOSITION PRODUCTS

MAY FORM TOXIC MATERIALS AS HYDROGEN CHLORIDE.

HAZARDOUS POLYMERIZATION

CONDITIONS TO AVOID

WILL NOT OCCUR

STORE SEPARATELY

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Material Safety Data Sheet (continued)

Section 6

OXICITY INFORMATION:

HYDROCHLORIC ACID, 5PPM CEILING TLV/PEL

FFECTS OF OVEREXPOSURE:

EYE OR SKIN COTNACT WITH THE LIQUID OR ITS MISTS RESULTS IN BURNS, PERMANENT EYE DAMAGE MAY RESULT.
NGESTION: IF SWALLOWED, DO NOT INDUCE VOMIT CALL A DOCTOR.
KIN: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
HALATION: MOVE THE PERSON TO FRESH AIR.
YES: WASH EYES WITH FRESH WATER FOR AT LEAST 15 MINUTES

Section 7

ENTILATION REQUIREMENTS
ISE ADEQUATE VENTILATION

ESPIRATION PROTECTION (SPECIFIC TYPE)

ISE NIOSH/MSHA APPROVED ACID GAS/ORGANIC CARTRIGE

EYE PROTECTION

GLOVES

PLASHPROOF GOGGLES

RUBBER GLOVES

OTHER PROTECTIVE CLOTHING AND EQUIPMENT

SAFETY SHOWER AND EYES WASH FOUNTAIN IN IMMEDIATE AREA. COVERALL AND RUBBER SAFETY BOOTS

Section 8

TEPS TO TAKE IF MATERIAL IS RELEASED OR SPILLED

MURIATIC ACID IS A REGULATED MATERIAL. USE VEERMICULITE FOR LARGE ACID PILLS. DO NOT FLUSH TO SEWER.
EUTRALIZE WITH LIME OR CAUSTIC SODA, PLACE ALL MATERIALS IN DOT APPROVED CONTAINERS.

ASTE DISPOSAL METHOD

PLACE CONTAMINATED MATERIALS IN DISPOSABLE CONTAINERS AND DISPOSAL IN APPROVED HAZARDOUS WASTE
MANAGEMENT FACILITY. DISPOSE IN ACCORDANE WITH FEDERAL, STATE OR LOCAL LAWS/REGULATIONS.

Section 9

RECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

TSTORE ONLY IN WELL VENTILATED AREA. EMPTIED CONTAINERS STILL CONTAINS HAZARDOUS LIQUID. DO NOT REUSE
EMPTY CONTAINERS.

OTHER PRECAUTIONS

IO NO WELD, HEAT OR DRILL CONTAINER. KEEP OUT OF REACH OF CHILDREN. AVOID OVERHEATING

REPAIRED BY: IGNACIO COTTO

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